

## Cover Sheet

**Responsible Agency:**

U.S. Department of Energy (DOE)

**Title:**

Draft Environmental Impact Statement (DEIS) for the High Flux Beam Reactor Transition Project at the Brookhaven National Laboratory, Upton, New York (DOE/EIS-0291)

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**Abstract:**

This Environmental Impact Statement (EIS) for the High Flux Beam Reactor (HFBR) Transition Project analyzes the potential impacts of four reasonable alternatives for the future of the HFBR at Brookhaven National Laboratory (BNL): a no action alternative; an alternative for permanent shutdown leading to decontamination and decommissioning; an alternative for resumption of operations up to 60 megawatt (MW) power level; and an alternative for resumption of operations up to 60 MW plus eventual upgrades to the HFBR's reactor vessel, instrumentation, and other components. The EIS analyzes the potential impacts of these four alternatives on the full spectrum of environmental and ecological resources in the BNL region, as well as the potential for public health and safety impacts. The EIS focuses on the main issues of concern with respect to the future of the HFBR, including: tritium contamination of groundwater and its management, minimization, and cleanup; the management of radiological emissions to air and water; waste generation and management; public health and safety; and the potential consequences of accidents and their management. The EIS concludes that the environment and public health and safety would be protected under any of the four reasonable alternatives for the future of the HFBR.

**Public Comments:**

Comments on this Draft Environmental Impact Statement may be submitted during the public comment period, which will be announced in the HFBR DEIS Notice of Availability, by writing to Dr. Narain at the above address, by directing a telephone call or facsimile message to the numbers indicated, or by Email. Comments may also be submitted at public meetings during the comment period. DOE will consider these public comments in preparation of the Final Environmental Impact Statement.